

In the Abstract:

ABSTRACT OF THE DISCLOSURE
~~ECHO PROCESSING DEVICES FOR SINGLE CHANNEL OR MULTICHANNEL~~
~~COMMUNICATIONS SYSTEMS~~

An echo processing ~~device~~ technique for attenuating echo components of a direct signal $X1n$ in a return signal $Y2n$ ~~comprises: means for calculating a~~ A receive gain Gr_n and a send gain Ge_n are calculated. ~~first gain application means for applying the~~ The receive gain Gr_n is applied to the direct signal and ~~producing an input signal $X2n$ is produced and~~ emitted into an echo generator system~~[[;]]~~ and ~~second gain application means for applying the~~ The send gain Ge_n is applied to an output signal $Y1n$ from the echo generator system and ~~producing the return signal $Y2n$ [[;]] is produced.~~ ~~said device further comprises means for calculating a~~ A coupling variable COR is calculated which is characteristic of the acoustic coupling between the direct signal $X1n$ or the input signal $X2n$ and the output signal $Y1n$ ~~[[;]]~~ and ~~said gain calculation means are adapted to calculate the~~ The receive gain Gr_n and the send gain Ge_n are calculated on the basis of ~~said~~ the coupling variable. ~~The invention also applies to multichannel systems.~~